SPECIFICATIONS

GNSS Tablet

Ver.2026.01.27

Performance

CPU	MT8786，2*2.0GHz A75+6*1.8GHz A55
Operating System	Android 12
ROM	64GB(128GB optional)
RAM	4GB(6GB, 8GB optional)
Extension	1 Mirco SD card slot up to 512G
Rear Camera	13M
Front Camera	5M
Battery	6800mAh built-in battery

Physical

Size	226.5*83*24mm
LCD	6"HD screen, 720*1080 resolution
Touch Screen	Capacitive muti-touch, 5 points
Flash Light	Y
Microphone	Y
Speaker	Front dual stereo 90dB±3dB(at 10cm)
Weight	384g
Charging	QC, PD
Keypad	1*Power, 1*HOME, 1*Return, 1*Position

Communication

WIFI	IEEE 802.11 a/b/g/n/ac, 2.4GHz/5GHz
SIM Card	2 Nano-SIM Card slots Dual SIM & Dual Standby
Network	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B4/B5/B8 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B25/B28A/B28B
Bluetooth	BT 5.1
USB	Type C, support OTG
External Interface	USB, OTG

GNSS Specifications

Channels	1590	
Satellite Tracking	GPS:	L1C/A, L2P, L2C, L5, L1C
	BeiDou:	B1I, B2I, B3I, B1C, B2a, B2b
	GLONASS:	L1C, L1P, L2C, L2P, L3
	Galileo:	E1, E5b, E5a, E6 E5 AltBOC
	QZSS:	L1C, L2C, L5, L1C/A L1s, L5s, L6
	IRNSS:	L5
	SBAS:	L1C/A,L5C
Single Baseline RTK	8 mm +1 ppm Horizontal 15 mm + 1 ppm Vertical	
SBAS	0.5m Horizontal 0.8m Vertical	
Standalone	1.5m 3D RMS	
Post Processing	2.5 mm +1 ppm Horizontal 5 mm + 1 ppm Vertical	
PPP(B2b & HAS)	20cm Horizontal	

Sensors

G Sensor	Y
Magnetometer	Y
Light Sensing Sensors	Y

Environmental

Work Temperature	-25°C ~60°C
Storage Temperature	-40°C ~70°C
Waterproof & Dustproof	IP67
Drop Test	Survive from a 1.5m drop
Electrostatic Protection	± 15kv air discharge, ± 8kv contact discharge
Humidity	95% non-condensing

Software

SinoGNSS High-Precision configuration software

Compatible with common third-party GIS software, such as ArcGIS Collector, Mapit GIS, FieldGenius Android etc.

SinoGNSS Survey Master field software

ComNav Technology Ltd.

Building 2, No. 618 Chengliu Middle Road, 201801, Shanghai, China

Web: www.comnavtech.com

Email: sales@comnavtech.com

Tel : +86 21 64056796

Fax: +86 21 54309582



P6H

HANDHELD

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P6H HANDHELD

The P6H Handheld is an advanced, rugged device tailored for Geographic Information System (GIS). Equipped with SinoGNSS self-developed high precision K9 board and antenna, it tracks all running and planned constellations, including GPS, BDS, GLONASS, GALILEO, QZSS, IRNSS and SBAS. Its accuracy remains at centimeter or decimeter level. Its portability and durability make it reliable even in harsh conditions.

6”Sunlight Readable Screen

Android™ 12

IP67 Dustproof and Waterproof



Integrated High Precision GNSS Module and Antenna

Integrated 4G LTE, WIFI and Bluetooth 5.1

Compatible with common GIS software

ACCURACY

RTK

Employing RTK technology can grant the P6H an accuracy of 8 millimeters in the horizontal dimension and 15 millimeters in the vertical dimension.

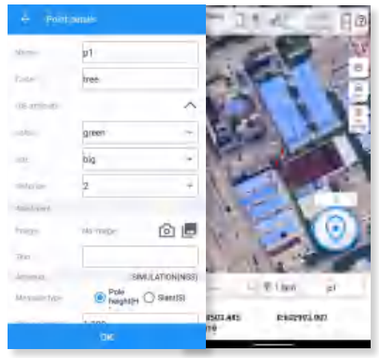
PPP

It supports PPP-HAS and PPP-B2b. In most of globe, it can access to positioning accuracy of 20cm without requiring any additional correction input or internet connectivity.

SBAS

It supports WAAS, EGNOS, MSAS, GAGAN, SDCM and BDSBAS. Its accuracy is up 0.5m horizontally and 0.8m vertically.durability make it reliable even in harsh conditions.

SOFTWARE



Survey Master

GIS function allow users to take measurements of geographic elements and store the results as attribute data for subsequent analysis, calculation, and visualization. It also includes a Mock Location function, allowing the sharing of Survey Master's accurate position with P6H. This enables third-party GIS software to access the same accurate position data. The function is suitable for users who prefer some third-party software rather than Survey Master, then can take it and their own software to conduct work.

Compatible with common third-party GIS software, such as

ArcGIS Collector

Mapit GIS

QField

APPLICATION



Urban Planning & Management



Natural Resource Management



Emergency Response & Disaster Management



Geography & Environmental Science Research



Agriculture & Food Security



Navigation & Location-based Services